

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number  
**WO 2004/059996 A1**

(51) International Patent Classification<sup>7</sup>: **H04Q 7/22**

(DE). ZÜNDT, Christian [DE/DE]; Panoramastrasse 30, 88453 Erolzheim (DE).

(21) International Application Number:  
PCT/EP2002/014778

(74) Agent: VAN WALSTIJN, B., Gerard, G.; Walstijn Intellectual Property ApS, Parkovsvej 3, DK-2820 Gentofte (DK).

(22) International Filing Date:  
27 December 2002 (27.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

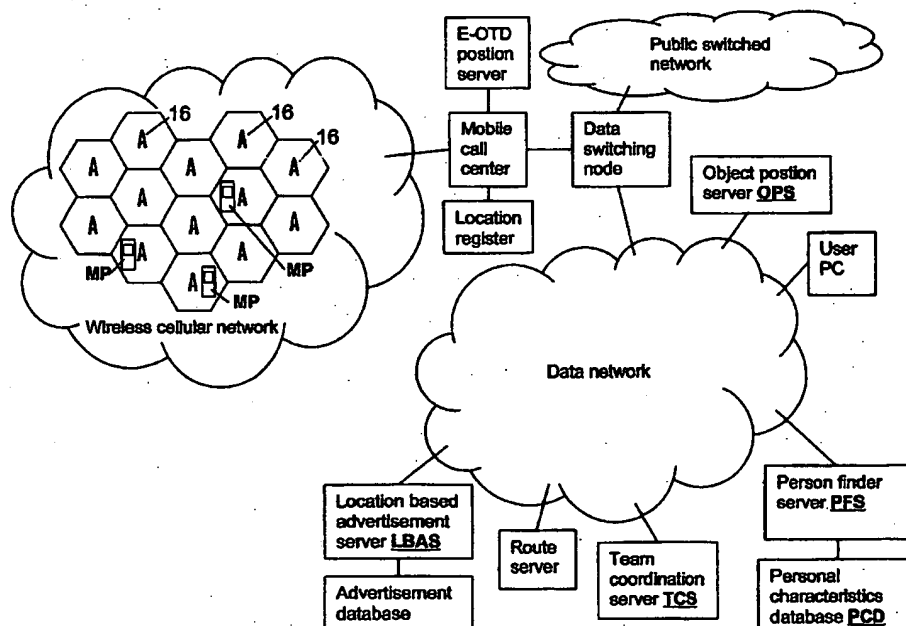
(72) Inventors; and

(75) Inventors/Applicants (for US only): **SYRBE, Hanno** [DE/DE]; Buchenweg 23, 89197 Weidenstetten (DE). **ENGELS, Ralf** [DE/DE]; Im Mittelbühl 26, 89160 Dornstadt (DE). **KOBALD, Malk** [DE/DE]; Oberweiler 18, Wohlmuthausen, 74670 Forchtenberg (DE). **MÜLLER, Ulrich** [DE/DE]; St. Gallener Strasse 19, 89079 Ulm

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK,

[Continued on next page]

(54) Title: LOCATION BASED SERVICES FOR MOBILE COMMUNICATION TERMINALS



(57) Abstract: The present inventions relate to methods of providing services in dependence on the geographical location of mobile terminals in a cellular network. The inventions relate further to mobile communication terminals for use with a cellular network that are able to receive or provide services in dependence of their geographical position obtained through interaction with the cellular network.



TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*